

**Tetra Tech, Inc.**

4213 State Street, Suite 100  
 Santa Barbara, CA 93110-2847  
 VOICE (805) 681-3100 FAX (805) 681-3108

Project: **Vandenberg Air Force Base IRP**  
 Log of Well No. **35-MW-6**

Location: **OU4, Site 35, approx. 100 ft southwest of Building 1930.**

Date Started: 2/17/98	Completed: 2/17/98	4" PVC Bank Casing: from 0 ft bgs to 33.2 ft bgs
Logged By: R. J. Elliot	Checked By: K. McNamara, R.G.	0.01" Screened Casing: from 33.2 ft bgs to 43.2 ft bgs
Drilled By: B. Carpenter, S/G Testing	KM# 6678	Bentonite/Cement Grout: from 0 ft bgs to 28.5 ft bgs
Drilling Equipment: CME 75, 8-inch & 10-inch HSA		Bentonite Transitional Seal: from 28.5 ft bgs to 30.5 ft bgs
Sampling Equipment: 2-inch I.D. Split Spoon		Sand Filter Pack: from 30.5 ft bgs to 45 ft bgs
GS Elev.: 421.3 ft above MSL	TD: 46 ft bgs	TOC Elev.: 424.30 ft above MSL

Depth (ft bgs)	MATERIAL DESCRIPTION	Material Symbol	Material Type	Well Construction	Sample	Blow Counts per 6"	Percent Recovery	PID (ppm) Amb/Strp	REMARKS
	<u>silty sand</u> , brown (10YR 4/3), fine grained, poorly graded, subrounded, medium dense, slightly moist to moist, some silt, little roots/organic material, trace clay, Orcutt Formation.		SM					0/0	Start drilling 1010. Log from grab soil sample at surface.
5	<u>silty sand</u> , yellowish brown (10YR 5/4), fine grained, poorly graded, subrounded, medium dense, moist, some silt, some rust colored staining, Orcutt Formation.					3 5 6	100	0/0	
10	<u>silty sand</u> , light yellowish brown (2.5Y 5/3), fine grained, poorly graded, subrounded, dense, wet, little silt, trace rust colored staining, Orcutt Formation.					7 14 19	75	0/0	
15	<u>silty sand</u> , light brownish gray (2.5Y 6/2), fine grained, poorly graded, subrounded, very dense, slightly moist, little silt, trace clay, slightly indurated, Orcutt Formation.					19 50/6'	100	0/0	
20						12			

15 ft bgs ▼ Groundwater depth during drilling

14.1 ft bgs ▼ Groundwater depth after well development on: 3/18/98

TC Number: A234-06

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	<u>silty sand</u> , light brownish gray (2.5Y 6/2) fine grained, poorly graded, subrounded, very dense, moist, little silt, few clay, Orcutt Formation.		SM			21 31	100	0/0	
25	<u>silty sand</u> , olive yellow (2.5Y 6/6) fine grained, poorly graded, subrounded, medium dense, moist, little silt, few clay, Orcutt Formation.					5 12 15	100	0/0	
30	same as above except dense.								
35	<u>silty sand</u> , light yellowish brown (2.5Y 6/4), fine grained, poorly graded, subrounded, dense, moist to very moist, little silt, trace clay, Orcutt Formation.					10 15 18	100	0/0	
40	same as above.					11 18 21	100	0/0	
45	<u>shale</u> , Sisquoc Formation.		Shale			11			

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45	shale, Sisquoc Formation.		Shale		△	23 42	100	0/0	End drilling 1200. Drilled 8-inch hole to 46 ft. Reamed with 10-inch auger to 44 ft. Bottom 1 ft of hole filled with cuttings. Heaving sands. Construct 4-inch well using 0.01-inch Veewire screen. Added approx. 50 gals of potable water during well construction.
50									
55									
60									
65									
70									